

IN THE CLAIMS

Please cancel claims 1-65.

Please add new claims 66-68 as follows:

66. (New) An electrode adapted for use with a fuel cell, comprising:
a support structure derived from a silicon substrate, wherein the support structure has a plurality porous regions that define pore surfaces, and wherein the pore surfaces have a catalyst dispersed thereon such that the catalyst is noncontiguously dispersed throughout the plurality of porous regions.
67. (New) The electrode of claim 1 wherein the silicon substrate is a silicon wafer.
68. (New) The electrode of claim 1 wherein the catalyst comprises platinum, ruthenium, or a combination thereof.